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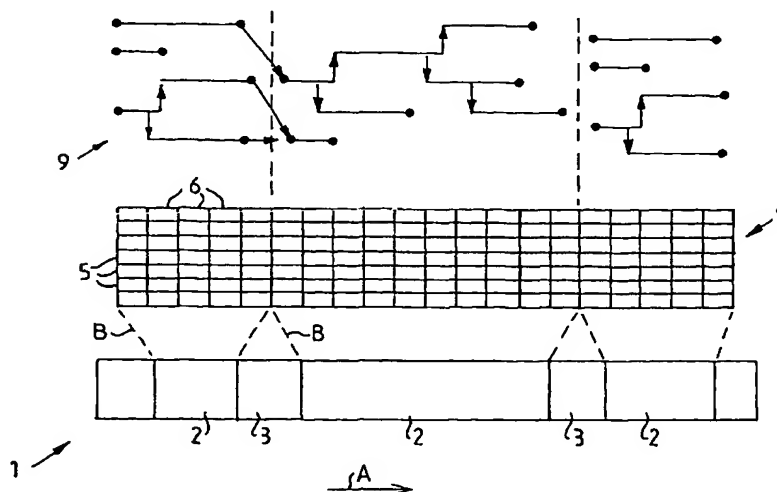
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(54) Title: A METHOD AND SYSTEM FOR DETERMINING TOTAL CODE EXECUTION TIME IN A DATA PROCESSOR



(57) Abstract: The invention refers to a method and a processing system for a communications network. The method comprises the step of receiving a program code, comprising a plurality of instructions for the communications network, dividing the program code into a plurality of sequences (7), defining, based on the program code, a plurality of relocation objects (10), each corresponding to a dependency relationship between two or more of the sequences (7), and allocating the sequences (7) to a processor instruction memory (4). Preferably, at least one directed graph is formed, based on at least some of the sequences (7) and at least some of the relocation objects (10), and a longest execution path through the directed graph is determined. Sequences (7) in the instruction memory (4) can be moved and state preserving operations (NOP) can be entered, so as to make at least two execution paths equally long.

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